Uncompromising ultra-portable design

POWERFUL MOBILE PERFORMANCE

Enjoy the powerful performance of an Intel® Core™ i5-460M processor (2.53GHz[1]) with Intel® Turbo Boost technology[20] up to (2.80GHz) 4GB of pre-installed system memory.

The VAIO® Z laptop comes pre-installed with Genuine Microsoft® Windows® 7 Professional 64-bit[12] .

Microsoft® Office Starter 2010[11] includes reduced-functionality versions of Word® and Excel® only, with advertising.

Uncompromising elegance weaved into a 3.04 lb (with standard battery) go-anywhere package.

Enjoy a 13.1"[4] (1600x900) LED backlit widescreen display, with a scratch resistant LCD, for a brighter, crisper, tougher display.

For even faster read / write times and greater durability, enjoy a 128GB[2] Solid State Drive.

Tackle virtually any graphics requirement with a NVIDA® GeForce® GT 330M graphics card and 1GB VRAM.

Extend the reach of your Z laptop with Stereo A2DP Bluetooth® technology[14] that's ideal for connecting to other Bluetooth-enabled peripherals.

SMARTER TECHNOLOGY

The next revolution in hybrid graphics, an intelligent auto setting self-selects which power mode - Speed or Stamina - is best given your current computing usage - no reboot required[19].

Integrated active noise cancelling technology and supplied headphones provide crystal-clear audio in noisy mobile scenarios without a bulky adapter.

A built-in biometric fingerprint scanner makes authentication and secure access quick and easy – you only need your fingerprint.

A built-in Assist button launches VAIO Care™ software, a simple do-it yourself PC maintenance tool for tune-ups, troubleshooting and more.

REDISCOVER YOUR FAVORITES

Rediscover your favorite music, photos and more with Media Gallery. Developed with design in mind, Media Gallery includes a stunning UI with easy-to-use features that take the work out of enjoying your media.

In one-step, integrated SensMe™ Technology simplifies your massive music library into playlists based on the elements of your music as well as your unique listening habits.

Instantly get the scoop on your favorite artist with built-in GraceNote™ support while an integrated YouTube™ search engine automatically seeks out and suggests music videos, interviews and other content related to the song being played.

Gesture Control introduces a whole new way to control content playing within Media Gallery. Using advanced technology, Media Gallery includes the ability to utilize your integrated webcam to detect specific hand movements that command the player to play, pause, skip forward or back through a song, video or slideshow.

ENVIRONMENTALLY ENGINEERED FEATURES

By using a mercury-free backlit LED display, the VAIO® Z laptop keeps one less chemical out of both your home and the landfills.

The VAIO® Z Series laptop gives you the power and functionality of a larger PC packed into a durable notebook that weighs just over 3 lbs (with standard battery). From its convenient backlit keyboard to its Dynamic Hybrid Graphics system[19] that delivers power when you need it, this computer has all the features that make for a world-class mobile computing experience.

Intel Core i5 inside Faster. Smarter.

Windows 7

NVIDIA GeForce

Bluetooth

HDMI

Wi Fi CERTIFIED

ENERGY STAR

RoHS COMPLIANT

VPCZ133GX/B

VAIO - Notebook Z

Specifications

General

Computer Type: Laptop
Type of Use: Ultra-portable
Action Buttons: VAIO, ASSIST, Performance Select, Windows Arrangement, Wireless on / off
Pointing Device: Electro-static touchpad (Multi-Finger)
Security: Biometric Fingerprint Sensor
Trusted Platform Module (TPM) TCG Ver.1.2 compliant

Hardware

Keyboard: QWERTY, 82 keys with 2.0mm stroke and 19.05mm pitch
Camera: Built-in MOTION EYE® camera and microphone with face-tracking technology
Backlit Keyboard: Yes

Processor

Type: Intel® Core™ i5 - 460M
Speed: 2.53GHz[1] with Turbo Boost Technology up to 2.80GHz[20]
L3 Cache: 3MB

Memory

Installed: 4GB (2GBx2)
Maximum: 8GB
Type/Speed: DDR3/1066MHz

Optical Drive

CD Support: Read / Write (CD/-R/-RW)
DVD Support: Read / Write (DVD±R/±RW/±R DL/-RAM)

Expansion Slots

Multimedia Card Reader: One Memory Stick PRO™ (STD / Duo) media slot with MagicGate® functionality
One ExpressCard® /34 media slot
One Secure Digital (SD memory card) media slot

Solid State Drive

Capacity: 128GB[2] (64GB+64GB)
Interface: Serial ATA

Audio

Sound System: Intel® High Definition Audio

Display

Screen Size: 13.1"[4]
Resolution: 1600 x 900
Back Light Technology: LED

Graphics

Processor: NVIDIA® GeForce® GT 330M GPU with Intel® HD Graphics
Video RAM: 1GB of dedicated video RAM
Technology: Dynamic Hybrid Graphics System[19]

Inputs and Outputs

Headphone Jack: 1
Microphone Input: 1
Port Replicator Connector(s): 1 (Bottom)
USB Port(s): 3 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
Internal Microphone: 1
HDMI™ Output(s): 1

Power

Battery Type: Standard Capacity Lithium-ion Battery
DVD Playback: Up to 3.5 hours[7] Standard Capacity Battery
Default Brightness: Up to 7 hours[7] Standard Capacity Battery
Up to 10.5 hours[7] Large Capacity Battery
Maximum Brightness: Up to 6.5 hours[7] Standard Capacity Battery
Up to 9.5 hours[7] Large Capacity Battery

Start-up Times

Average Boot Time: 60 sec[17]
Average Resume Time from Suspend: 2 sec[17]
First Boot Time: 5 min[18]

Wireless/Networking

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T
Ethernet Speed: Fast Ethernet (RJ-45)
Wi-Fi: Intel® Centrino® Advanced-N 6200 (802.11a/b/g/n)[3]
Bluetooth® Technology: Integrated Stereo A2DP (2.1 + EDR) [14]

Software

Operating System: Genuine Microsoft® Windows® 7 Professional 64-bit[12]
Supplied Software: Microsoft® Office 2010 Starter[11]
Anti-Virus Software: Norton Internet Security™ 2010 30-Day Trial Offer[13]
System Maintenance and Support: VAIO Care™ - System diagnostics and maintenance
Sony® Creativity Suite: PMB – VAIO® Edition - Import, organize, edit and publish in one easy-to-use program
VAIO® Media Gallery - Bring forgotten favorites to life
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.

Service and Warranty Information

Telephone Support: 1 year toll-free technical assistance available 24/7 at 888-476-6972. For priority support, please call 239-768-7605[9] .
Online and Email Support: Available at http://www.esupport.sony.com/EN/VAIO
Onsite/In-Home Service: 1 year limited warranty with Onsite/In-Home Service[15] . See actual warranty for details.
International Service: 1 year international service plan. Registration required. See www.sony.com/IRSP for details.
Limited Warranty Term: 1 year limited warranty[8] . See actual warranty for details.

Environmental Information

EPEAT™ : Gold
RoHS®: Compliant
ENERGY STAR®: 5.0

Dimensions

Weight: 3.04 lbs (with standard capacity battery)
Measurements: 12.4"(W) x 1.0-1.3"(H) x 8.3"(D)[5]

Supplied Accessories

Standard Capacity Lithium-ion battery (5400mAh)
AC Adapter
Power Cord
Noise Canceling Headphones

Optional Accessories

Stick AC Adapter (VGP-AC19V30)
Additional Standard Capacity Battery (VGP-BPS20)
Large Capacity Battery (VGP-BPL20)
Neoprene Case (VGP-AMC3)
Docking Station (VGP-PRZ10)
Carrying Case (VGP-CKS3/B)
Privacy Filter/ LCD Screen Protector (VGP-FL14)
Bluetooth® Keyboard (VGP-BKB1)
VAIO® Carrying Case (VGP-CCB4/B)
Bluetooth® Remote Mouse (VGP-BMS80)
Bluetooth® Aluminum Slider Mouse (VGP-BMS10)

Color: Black
UPC Code: 027242811973

1. GHz denotes microprocessor internal clock speed and may vary.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires 802.11n compatible access point. Some functionality may require Internet services.
4. Viewable area measured diagonally.
5. Measured at the narrowest point
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Estimates only based upon Sony engineering testing. Actual performance will vary based on notebook settings, environmental conditions, and usage. Battery capacity decreases over time and use.
8. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.sony.com/pcsupport, call toll-free 888-476-6972 (888-4SONYPC) or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
9. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the aplicable software vendor. Long distance charges may apply
10. Broadband Internet service required along with third party services which may require a subscription or other service fee.
11. Includes Microsoft® Office 2010 preloaded. Purchase a Product Key to activate a full Microsoft Office 2010 suite.
12. Compatibility and performance in a 64-bit environment may vary.
13. Norton Internet Security™ 2010 30-day subscription is pre-installed on your Sony VAIO PC. You need to activate the software for the product to work. After your 30-days are finished, buy Norton Internet Security to continue to be protected from viruses, hackers and identify theft.
14. Interoperability and compatibility among Bluetooth® devices vary.
15. When available, Sony will provide Onsite/In-Home Service in fulfillment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite/In-Home Service will be provided via third-party technician to be dispatched as needed following phone-based troubleshooting. Some repairs may be accomplished with self repair kits. Onsite/In-Home Service may not be available in all locations.
16. Requires high definition-capable display with HDMI™ connector. Image quality will vary.
17. Based on original factory image and will vary with product configuration changes and additional software added to the hard drive.
18. Excluding end user interaction
19. Windows® 7 is required for feature functionality. Rebooting is necessary on pre-installed and downgraded Windows® XP Professional models.
20. Intel® Turbo Boost Technology requires a PC with a processor with Intel Turbo Boost Technology capability. Intel Turbo Boost Technology performance varies depending on hardware, software and overall system configuration.

Computer Interface: For this product, there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice. Non-metric weights and measures are approximate and may vary.

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